**Some Student Solutions to Car Wash Problem:**

**Solution #1: Solution #2:**

|  |  |  |
| --- | --- | --- |
| Hours | Sarah | Jenny |
| 0 | 5 | 0 |
| 1 | 7 | 3 |
| 2 | 9 | 6 |
| 3 | 11 | 9 |
| 4 | 13 | 12 |
|  |  |  |

So Sarah’s group washed for 2 hours and Jenny’s group washed for 3 hours

|  |  |  |
| --- | --- | --- |
| Hours | Sarah | Jenny |
| 0 | 5 | 0 |
| 1 | 7 | 3 |
| 2 | 9 | 6 |
| 3 | 11 | 9 |
| 4 | 13 | 12 |
| 5 | 15 | 15 |

So each group washed for 5 hours

**Solution #3:**

So each group washed for 5 hours

**Solution #4: Solution #5:**

2x + 5 = 3x Sarah’s Group Jenny’s Group

5 = 3x – 2x

5 = x

So Sarah’s group washed for 2 hours and Jenny’s group washed for 3 hours